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AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior versions, and all prior listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently amended) A method of fluorination which comprises fluorinating a saccharide using a fluorinating agent represented by general formula (I):

$$R^0 - C - Y < R^1$$
 R^2
(1)

wherein Y represents nitrogen atom or phosphorus atom, R^0 , R^1 and R^2 represent hydrogen atom or an alkyl or aryl group which may have substituents, the atom and the groups represented by R^0 , R^1 and R^2 may be a same with or different from each other atom, and two or three of the groups represented by R^0 , R^1 and R^2 may be bonded to each other to form a ring.

- 2. (Original) A method of fluorination according to Claim 1, wherein, in general formula (I), Y represents nitrogen atom, R^0 represents 3-methyphenyl group or 2-methoxyphenyl group, and R^1 and R^2 represent ethyl group.
- 3. (Currently amended) A method of fluorination according to Claim 1 any one of Claims 1 and 2, wherein the saccharide is fluorinated by a thermal reaction.

- 4. (Original) A method of fluorination which comprises fluorinating a substrate by bringing the substrate and a fluorinating agent into reaction with each other under irradiation with at least one of microwave and electromagnetic wave having a wavelength around a microwave region.
- 5. (Original) A method of fluorination according to Claim 4, wherein the substrate is fluorinated by bringing the substrate and the fluorinating agent into reaction with each other under irradiation with microwave having a frequency of 1 to 30 GHz.
- 6. (Currently amended) A method of fluorination according to <u>Claim 4</u> any one of <u>Claims 4 and 5</u>, wherein the fluorinating agent is a compound represented by general formula (II):

$$R^0 - C - Y < R^1$$
(II)

wherein Y represents nitrogen atom or phosphorus atom, X represents hydrogen atom or a halogen atom, R^0 , R^1 and R^2 represent hydrogen atom or an alkyl or aryl group which may have substituents, the atom and the groups represented by R^0 , R^1 and R^2 may be a same with or different from each other, and two or three of the groups represented by R^0 , R^1 and R^2 may be bonded to each other to form a ring.

7. (Original) A method of fluorination according to Claim 6, wherein the fluorinating agent is a compound represented by general formula (III):

wherein R³, R⁴ and R⁵ each independently represent an alkyl or aryl group which may have substituents, X represents hydrogen atom or a halogen atom, and two or three of the groups represented by R³, R⁴ and R⁵ may be bonded to each other to form a cyclic structure.

- 8. (Original) A method of fluorination according to Claim 7, wherein, in general formula (III), R³ represents an aryl group which may have substituents, X represents fluorine atom, and R⁴ and R⁵ represent an alkyl or aryl group having 1 to 32 carbon atoms which may have substituents.
- 9. (Currently amended) A method of fluorination according to Claim 6 any one of Claims 6 to 8, wherein the substrate is an organic compound having at least one atom selected from the group consisting of oxygen atom, nitrogen atom and sulfur atom.
- 10. (Original) A method of fluorination according to Claim 9, wherein the substrate is a compound having hydroxyl group.
- 11. (Original) A method of fluorination according to Claim 10, wherein the substrate is a diol having hydroxyl groups adjacent to each other.

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- 12. (Original) A method of fluorination according to Claim 10, wherein the substrate is a saccharide.
- 13. (Original) A method of fluorination according to Claim 12, wherein the fluorinating agent is a compound represented by general formula (II) in which X represents fluorine atom.
- 14. (Original) A method of fluorination according to Claim 13, wherein the fluorinating agent is a compound represented by general formula (II) in which X represents fluorine atom, Y represents nitrogen atom, R^0 represents 3-methylphenyl group or 2-methoxyphenyl group, and R^1 and R^2 represent ethyl group.
- 15. (Currently amended) A method of fluorination according to <u>Claim 12</u> any one of <u>Claims 12 to 14</u>, wherein the saccharide is a compound selected from <u>the group consisting of monosaccharides</u>, glycosides, anhydrides of monosaccharides, oligosaccharides and polysaccharides.
- 16. (Original) A method of fluorination according to Claim 9, wherein the substrate is a compound having carbonyl group or carboxyl group.
- 17. (Original) A method of fluorination according to Claim 9, wherein the substrate is an epoxide.

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- 18. (Currently amended) A method of fluorination according to Claim 4 any one of Claims 4 and 5, wherein the fluorinating agent is a complex compound comprising HF and a base.
- 19. (Original) A method of fluorination according to Claim 18, wherein the fluorinating agent is an alkylamine-HF complex compound.
- 20. (Original) A method of fluorination according to Claim 19, wherein the fluorinating agent is a triethylamine-HF complex compound.
- 21. (Currently amended) A method of fluorination according to <u>Claim 18</u> any one of <u>Claims 18 to 20</u>, wherein the fluorination is conducted in a presence of an agent accelerating a reaction.
- 22. (Currently amended) A method of fluorination according to <u>Claim 18</u> any one of <u>Claims 18 to 21</u>, wherein the substrate is a compound having hydrogen atom activated by a substituent at an α position, a β-position or a γ-position, a silyl ether compound, a compound having an unsaturated group, hydroxyl group, a halogeno group, amino group, diazo group, triazeno group or isocyano group as a functional group, or a cyclic compound having three-membered or greater ring which may have heteroatoms.

- 23. (Currently amended) A method of fluorination according to <u>Claim 18</u> any one of <u>Claims 18 to 21</u>, wherein the substrate is a saccharide or a cyclic compound having cyclopropane ring, oxirane ring, aziridine ring or 1,3-dithiane ring.
- 24. (New) A method of fluorination according to Claim 5, wherein the fluorinating agent is a compound represented by general formula (II):

$$R^0 - C - Y < R^1$$
 R^2
(II)

wherein Y represents nitrogen atom or phosphorus atom, X represents hydrogen atom or a halogen atom, R^0 , R^1 and R^2 represent hydrogen atom or an alkyl or aryl group which may have substituents, the atom and the groups represented by R^0 , R^1 and R^2 may be a same with or different from each other, and two or three of the groups represented by R^0 , R^1 and R^2 may be bonded to each other to form a ring.